

# Comparisons of Job Characteristics

Focus Occupation: **Computer Systems Analysts (15-1051)**

Associated Occupation: **Management Analysts (13-1111)**

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|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: **Computer Systems Analysts (15-1051)**

Associated Occupation: **Management Analysts (13-1111)**

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation                      |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Customer and Personal Service                  | 11.3                            | 19.6                           | 15.4                      | << | Extensive education and/or training may be required |
| Administration and Management                  | 8.4                             | 16.2                           | 11.3                      | << | Extensive education and/or training may be required |
| Personnel and Human Resources                  | 5.6                             | 14.2                           | 5.6                       | << | Extensive education and/or training may be required |
| Clerical                                       | 7.3                             | 13.8                           | 11.8                      | <  | Expanded education and/or training may be required  |
| Sales and Marketing                            | 5.2                             | 10.9                           | 5.2                       | << | Extensive education and/or training may be required |
| Economics and Accounting                       | 4.4                             | 9.0                            | 4.5                       | << | Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: **Computer Systems Analysts (15-1051)**

Associated Occupation: **Management Analysts (13-1111)**

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |   | Evaluation of Focus Occupation        |
|---|---------------------------------|--------------------------------|---------------------------|---|---------------------------------------|
| Judgment and Decision Making                | 9.4                             | 12.5                           | 12.2                      | 0 | Current skill level may be sufficient |
| Complex Problem Solving                     | 9.1                             | 12.3                           | 11.9                      | 0 | Current skill level may be sufficient |
| Monitoring                                  | 9.9                             | 12.0                           | 11.1                      | 0 | Current skill level may be sufficient |
| Systems Analysis                            | 6.5                             | 11.4                           | 12.6                      | > | Skill level is likely sufficient      |
| Systems Evaluation                          | 6.4                             | 11.4                           | 12.7                      | > | Skill level is likely sufficient      |

|                     |     |      |      |   |                                       |
|---------------------|-----|------|------|---|---------------------------------------|
| Operations Analysis | 5.0 | 11.3 | 10.6 | 0 | Current skill level may be sufficient |
|---------------------|-----|------|------|---|---------------------------------------|

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Abilities   |                                 | Similarity of Focus Occupation to Associated Occupation: 92 |                           |                                |  |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Computer Systems Analysts (15-1051)<br>Associated Occupation: Management Analysts (13-1111) |                                 |   |                           |                                |  |
| Associated Occupation's Key Abilities Elements  | Average Rating, All Occupations | Associated Occupation's Rating                              | Focus Occupation's Rating | Evaluation of Focus Occupation |  |
| Oral Expression   | 12.4                            | 16.2  | 13.1                      | <                              | Some improvement in abilities may be required      |
| Oral Comprehension  | 12.5                            | 15.9  | 13.9                      | <                              | Some improvement in abilities may be required      |
| Written Comprehension   | 11.0                            | 15.4  | 13.9                      | <                              | Some improvement in abilities may be required      |
| Written Expression  | 9.8                             | 15.0  | 11.8                      | <<                             | Extensive improvement in abilities may be required |
| Inductive Reasoning   | 10.2                            | 14.7  | 12.6                      | <                              | Some improvement in abilities may be required      |
| Deductive Reasoning   | 10.6                            | 14.2  | 13.9                      | 0                              | Current ability level may be sufficient            |
| Information Ordering  | 9.9                             | 12.2  | 12.9                      | 0                              | Current ability level may be sufficient            |
| Fluency of Ideas  | 7.6                             | 10.1  | 12.7                      | >                              | Current ability level is likely sufficient         |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common   |                         | Similarity of Focus Occupation to Associated Occupation: 78 |
|---|-------------------------|---|
| Focus Occupation: Computer Systems Analysts (15-1051)<br>Associated Occupation: Management Analysts (13-1111) |                         |   |
| Work Activities   | Exclusivity of Activity |   |
| Analyze workflow  | 89                      |   |
| Communicate technical information   | 4                       |   |
| Conduct training for personnel  | 30                      |   |
| Confer with management or users   | 76                      |   |
| Design systems in cooperation with colleagues   | 84                      |   |
| Develop records management system   | 76                      |   |
| Prepare workflow chart  | 95                      |   |
| Use interviewing procedures   | 23                      |   |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 92

**Focus Occupation: Computer Systems Analysts (15-1051)**  
**Associated Occupation: Management Analysts (13-1111)**

| Tools and Technologies   | Exclusivity |
|--|-------------|
| Business function specific software                              | 1           |
| Computers  | 1           |
| Content authoring and editing software                           | 1           |
| Data management and query software                               | 1           |
| Development software   | 4           |
| Finance accounting and enterprise resource planning ERP software | 2           |
| Industry specific software                                       | 1           |
| Network applications software                                    | 1           |
| Projectors and supplies  | 13          |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.